

ABSTRACT

A solar radiation concentrator rotated about a straight line vertical to the reflector arrangement surfaces so that the incident solar radiation can be led onto the reflector arrangement surface along the specified direction and a method of concentrating solar radiation; the concentrator, comprising a plurality of reflectors (10) disposed on reflector arrangement surfaces, a plurality of reflector vertical bars (20) connected to the plurality of reflectors, rotating center holding members (30) for holding the center points of the rotating motions of the plurality of reflector vertical bars, motion members (40) for collectively rotating the plurality of reflector vertical bars, and guide members (50) for guiding the motions of the plurality of reflector vertical bars so that the plurality of reflector vertical bars can be rotated along specified reflector vertical bar routes, wherein the motion members perform motions along the specified motion member routes according to a variation in the incident angle of the incident solar radiation, and holes (40A) of a specified shape are provided in the motion members.